



WORX



PacesetterTM

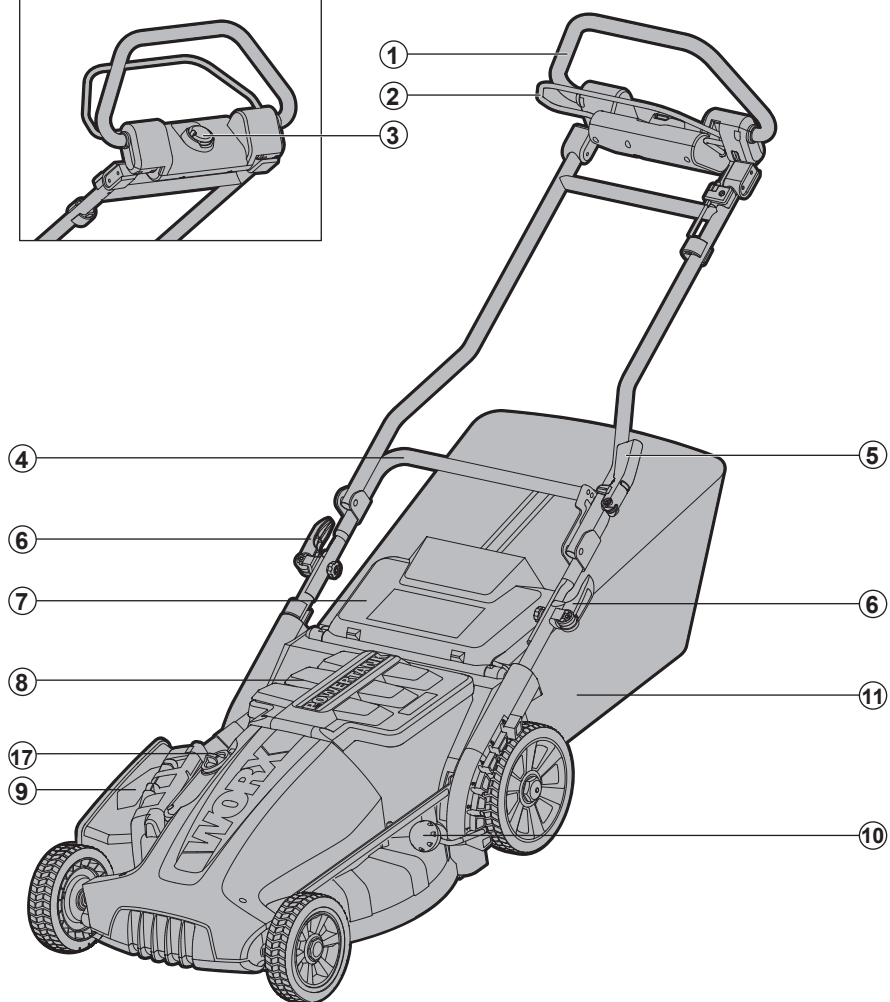
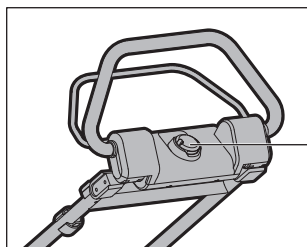
Auto-adjusts to your walking speed

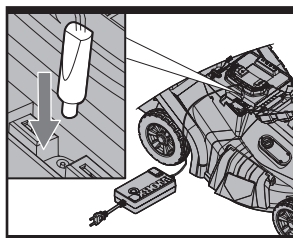
Cordless self-propelled lawn mower	EN	P07
Tondeuse à gazon autotractée sans fil	F	P20
Cortacésped de autopropulsión inalámbrica	ES	P35



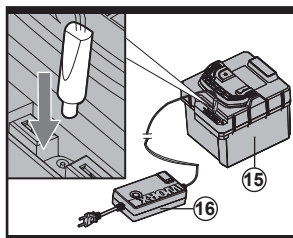
HELPLINE NUMBER
1-866-354-WORX (9679)

WG789

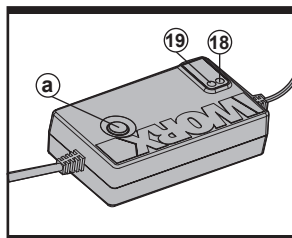




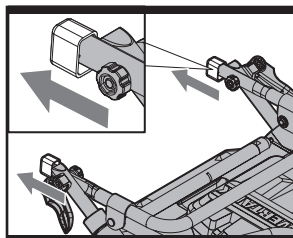
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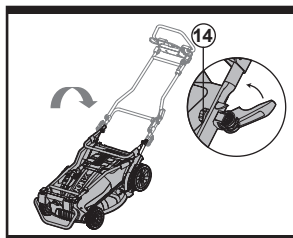
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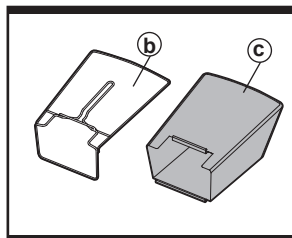
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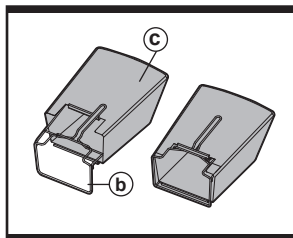
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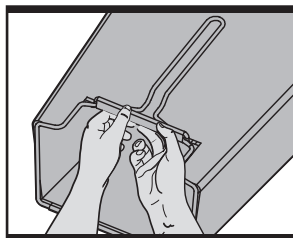
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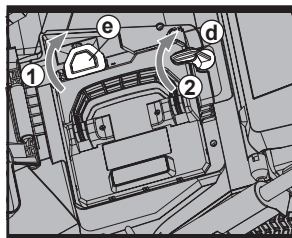
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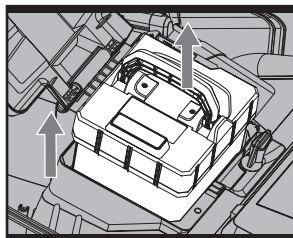
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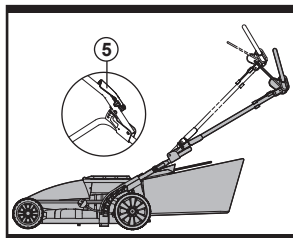
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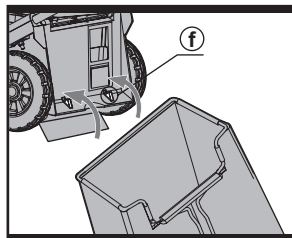
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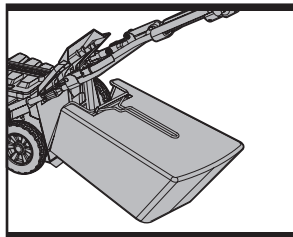
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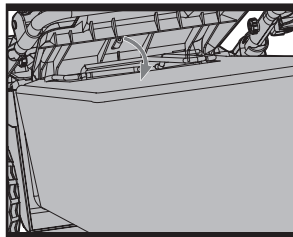
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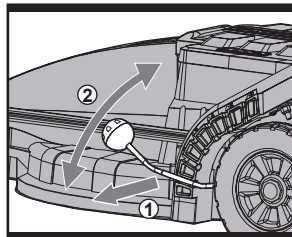
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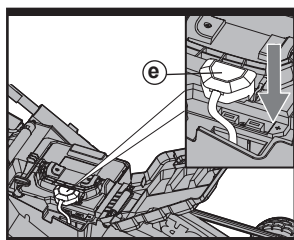
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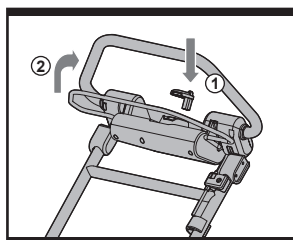
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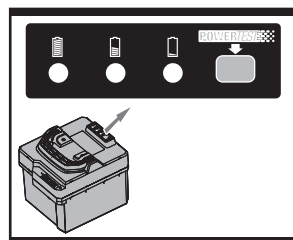
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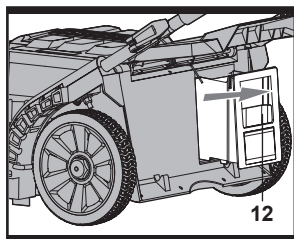
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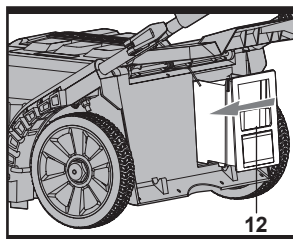
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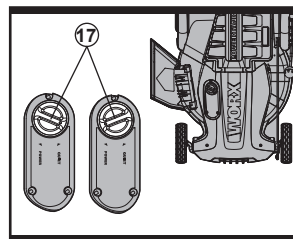
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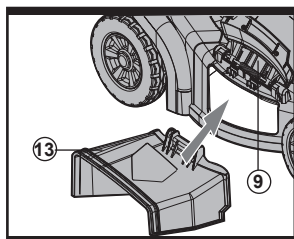
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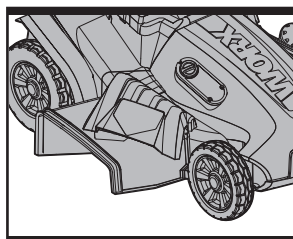
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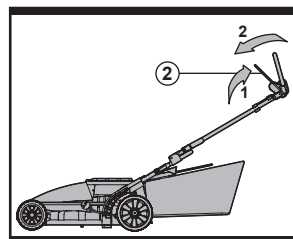
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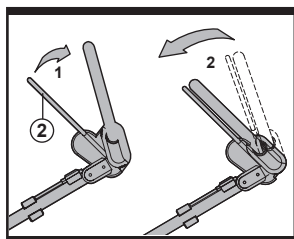
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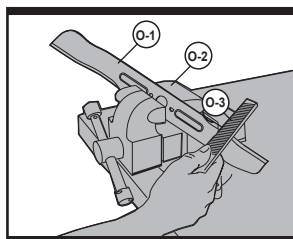
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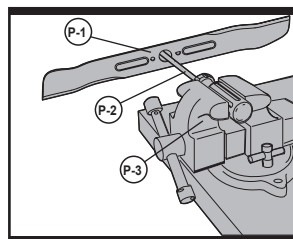
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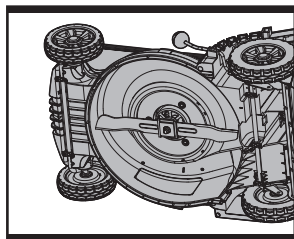
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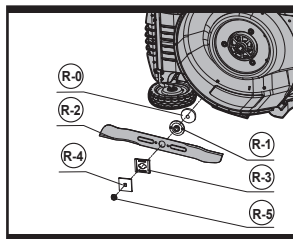
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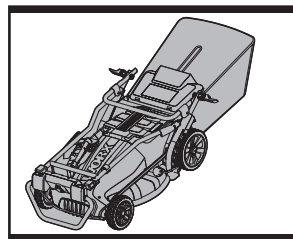
P



Q



R



S

- | |
|---|
| 1. UPPER HANDLE |
| 2. SAFETY BAIL |
| 3. SAFETY KEY |
| 4. LOWER HANDLE |
| 5. HANDLE HEIGHT ADJUSTMENT LEVER |
| 6. LOCKING CAM LEVER |
| 7. SAFETY GUARD |
| 8. BATTERY HOUSING COVER |
| 9. SIDE-DISCHARGE COVER |
| 10. CUTTING HEIGHT ADJUSTMENT LEVER |
| 11. GRASS COLLECTION BAG |
| 12. MULCHING PLUG (See K1) |
| 13. SIDE-DISCHARGE CHUTE (See M1) |
| 14. SCREW KNOB (See C2) |
| 15. BATTERY PACK (See B) |
| 16. CHARGER (See B) |
| 17. WORK MODE DIAL (See L) |
| 18. CHARGED INDICATOR LIGHT (GREEN) (See B2) |
| 19. CHARGING INDICATOR LIGHT (RED) (See B2) |

TECHNICAL DATA

Power input	36V---
Deck diameter	19" (48cm)
Cutting diameter	18"(46cm)
Front wheel diameter	7" (178mm)
Rear wheel diameter	8-1/4" (210mm)
Cutting height	1.5"-3.5" (38 – 88mm)
Cutting height positions	6
Grass collection capacity	1.6bushels(55L)
Battery type	Lead acid
Battery model	WA3220
Charging time	16 hrs
Charger model	WA3722
Charger rating	Input: AC 120V~60Hz,45W Output: 42.5V 1.0A
Machine weight	41.1kg (90.6lbs)

8

ACCESSORIES

Grass collection bag	1
Charger (WA3722)	1
Side-discharge chute	1
Mulching plug	1
Battery pack (WA3220)	1
Safety key	1

We recommend that you purchase your accessories from the same store that sold you the tool. Use good quality accessories marked with a well-known brand name. Choose the type according to the work you intend to undertake. Refer to the accessory packaging for further details. Store personnel can assist you and offer advice.

SAFETY INSTRUCTIONS

WARNING! Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to the state of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints,
- Crystalline silica from bricks and cement and other masonry products, and
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemical:

- Work in a well ventilated area,
- Work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

READ ALL INSTRUCTIONS

WARNING: When using electric lawn mowers, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury, including the following:

WARNING: Risk of injury could occur if the lawn mower is operated without the catcher assembly attached.

WARNING: The use of any other accessory or attachment might increase the risk of injury

CAUTION: For battery-operated lawn mowers use only identical replacement batteries. When re-ordering specify the battery type and manufacturer model number. Devices for retaining extension cords are also available.

FOR ALL LAWN MOWERS

- 1) Avoid Dangerous Environment - Don't use lawn mowers in damp or wet locations.
- 2) Don't Use In Rain.
- 3) Keep Children Away - All visitors should be kept a safe distance from work area.
- 4) Dress Properly - Do not wear loose clothing or jewelry. They can be caught in moving parts. Use of rubber gloves and footwear is recommended when working outdoors.
- 5) Use Safety Glasses - Always use face or dust mask if operation is dusty.
- 6) Use Right Appliance - Do not use lawn mower for any job except that for which it is intended.
- 7) Don't Force Lawn Mower - It will do the job better and safer at the rate for which it was designed.
- 8) Don't Overreach - Keep proper footing and balance at all times.
- 9) Stay Alert - Watch what you are doing. Use common sense. Do not operate lawn mower when you are tired.
- 10) Store Idle Lawn Mower Indoors - When not in use, lawn mower should be stored in an indoor dry and locked-up place - out of reach of children.
- 11) Maintain Lawn Mower With Care - Keep cutting edges sharp and clean for best and safest performance. Follow instructions for lubricating and changing accessories. Inspect lawn mower cord periodically and if damaged, have it repaired by an authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
- 12) Keep guards in place and in working order.
- 13) Keep blades sharp.
- 14) Keep hands and feet away from cutting deck.
- 15) Objects struck by the lawn mower blade can cause severe injuries to persons. The cutting area should always be carefully examined and cleared of all objects prior to each mowing.
- 16) If lawn mower strikes a foreign object, follow these steps:
 - i) Stop lawn mower. Release the switch.
 - ii) Inspect for damage.
 - iii) Repair any damage before restarting and operating the lawn mower.
- 17) Use identical replacement blades only.

SUPPLEMENT SA-BATTERY-OPERATED LAWN MOWERS

- a) Do not charge lawn mower in rain, or in wet locations.
- b) Do not use battery-operated lawn mower in rain.
- c) When replacing batteries, all batteries should be replaced at the same time. Mixing fresh and discharged batteries could increase internal cell pressure and rupture the discharge battery(ies). (Applies to products employing more than one separately replaceable primary battery.)
- d) When inserting batteries into this product, the proper polarity or direction must be observed. Reverse insertion of batteries can result in leakage or explosion. (Applies to product employing more than one separately replaceable primary battery.)
- e) Remove or disconnect battery before servicing, cleaning, or removing material from the lawn mower.

FOR ALL BATTERY-OPERATED PRODUCTS EMPLOYING A DETACHABLE OR SEPARABLE BATTERY

- a) Use only the following type and model battery (ies): WA3220
- b) Do not dispose of the battery(ies) in a fire. The cell may explode. Check with local codes for possible special disposal instructions.
- c) Do not open or mutilate the battery(ies). Released electrolytes are corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
- d) Exercise care in handling batteries in order not to short the battery with conducting materials such as rings, bracelets, and keys. The battery or conductor may overheat and cause burns.

FOR A BATTERY-OPERATED LAWN MOWER EMPLOYING A VENTED WET CELL BATTERY SUPPLY INTENDED TO BE INITIALLY OR PERIODICALLY FILLED BY THE USER:

CAUTION: The electrolyte is a dilute sulfuric acid that is harmful to the skin and eyes. It is electrically conductive and corrosive. The

following procedures should be observed:

- a) Wear full eye protection and protective clothing.
- b) If electrolyte contacts the skin, wash it off immediately with water.
- c) If electrolyte contacts the eyes, flush thoroughly and immediately with water. Seek medical attention.

SAFE PRACTICES FOR WALK-BEHIND MOWERS

I. GENERAL OPERATION

1. Read, understand, and follow all instructions on the machine and in the manual(s) before starting.
2. Do not put hands or feet near or under the machine. Keep clear of the discharge opening at all times.
3. Only allow responsible adults, who are familiar with the instructions, to operate this machine.
4. Clear the area of objects such as rocks, wire, toys, etc., which could be thrown by the blade. Stay behind the handle when the engine (motor) is running.
5. Be sure the area is clear of bystanders before operating. Stop machine if anyone enters the area.
6. Do not operate machine barefooted or while wearing sandals. Always wear substantial footwear.
7. Do not pull machine backward unless absolutely necessary. Always look down and behind before and while mowing backward.
8. Never direct discharged material toward anyone. Avoid discharging material against a wall or obstruction. Material may ricochet back toward the operator. Stop the blade when crossing gravel surfaces.
9. Do not operate machine without the entire grass catcher, discharge guard, rear guard, or other safety protective devices in place and working.
10. Never leave a running machine unattended.
11. Stop the engine (motor), wait until the blade comes to a complete stop, and then remove the safety key before cleaning

- the machine, removing grass catcher, or unclogging the discharge guard.
12. Operate machine only in daylight or good artificial light.
 13. Do not operate machine while under the influence of alcohol or drugs.
 14. Never operate mower in wet grass. Always be sure of your footing; walk; never run.
 15. Disengage the drive system, if so equipped, before starting the engine (motor).
 16. If the machine should start to vibrate abnormally, stop the engine (motor) and check for the cause immediately. Vibration is generally a warning of trouble.
 17. Always wear eye protection when operating machine.
 18. See manufacturer's instructions for proper operation and installation of accessories. Only use accessories approved by the manufacturer.

II. SLOPE OPERATION

Slopes are a major factor related to slip and fall accidents, which can result in severe injury. Operation on all slopes requires extra caution. If you feel uneasy on a slope, do not mow it.

1. Mow across the face of slopes; never up and down. Exercise extreme caution when changing direction on slopes.
2. Watch for holes, ruts, bumps, rocks, or other hidden objects. Uneven terrain could cause a slip and fall accident. Tall grass can hide obstacles.
3. Do not mow on wet grass or excessively steep slopes. Poor footing could cause a slip and fall accident.
4. Do not mow near drop-offs, ditches, or embankments. You could lose your footing or balance.

III. CHILDREN

Tragic accidents can occur if the operator is not alert to the presence of children. Children are often attracted to the machine and the mowing activity. Never assume that children will remain where you last saw them.

1. Keep children out of the mowing area and under the watchful care of a responsible adult other than the operator.
2. Be alert and turn mower off if a child enters the area.
3. Never allow children to operate the machine.
4. Use extra care when approaching blind corners, shrubs, trees, or other objects that may block your view of a child.

IV. SERVICE

GENERAL SERVICE

1. Keep all nuts and bolts tight to be sure the equipment is in safe working condition.
2. Never tamper with safety devices. Check their proper operation regularly.
3. Keep machine free of grass, leaves, or other debris build-up.
4. If you strike a foreign object, stop and inspect the machine. Repair, if necessary, before re-starting.
5. Never make any adjustments or repairs with the engine (motor) running.
6. Check grass catcher components and the discharge guard frequently and replace with manufacturer's recommended parts, when necessary.
7. Mower blades are sharp. Wrap the blade or wear gloves, and use extra caution when servicing them.
8. Maintain or replace safety and instruction labels, as necessary.

SAVE THESE INSTRUCTIONS

SAFE OPERATION PRACTICES FOR WALK-BEHIND MOWERS

1. SAFETY INSTRUCTIONS

1.1 TRAINING

- a) Read the operating and service instruction manual carefully. Be thoroughly familiar with the controls and the proper use of the equipment.
- b) Never allow children to operate a power mower.
- c) Keep the area of operation clear of all persons, particularly small children, and pets.
- d) Do not use a mower for any job except that

for which it is intended.

1.2 PREPARATION

- a) Thoroughly inspect the area where the equipment is to be used and remove all stones, sticks, wires, bones, and other foreign objects.
- b) Do not operate the equipment when barefoot or wearing sandals. Always wear substantial footwear.
- c) Disengage the self-propelled mechanism or drive clutch on units so equipped before starting the motor.
- d) Never attempt to make a wheel height adjustment while the motor is running.
- e) Mow only in daylight or in good artificial light.
- f) Never operate the equipment on wet grass. Always be sure of your footing. Keep a firm hold on the handle and walk, never run.

1.3 OPERATION

- a) Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- b) Stop the blade(s) when crossing gravel drives, walks, or roads.
- c) After striking a foreign object, stop the motor, unplug, thoroughly inspect the mower for any damage, and repair the damage before restarting and operating the mower.
- d) If the equipment should start to vibrate abnormally, stop the motor and check immediately for the cause. Vibration is generally a warning of trouble.
- e) Stop the motor and unplug whenever you leave the equipment, before cleaning the mower housing, and before making any repairs or inspections.
- f) Shut the motor off and wait until the blade comes to a complete stop before removing the grass catcher or before unclogging the chute.
- g) Mow across the face of slopes, never up and down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes.
- h) Never operate the mower without proper guards, plates, or other safety protective

devices in place.

- i) Do not wash with a hose, avoid getting water in motor and electrical connections.

1.4 MAINTENANCE

- a) Check the blade and the engine mounting bolts at frequent intervals for proper tightness.
- b) Keep all nuts, bolts, and screws tight to be sure the equipment is in safe working condition.
- c) Check bag frequently for deterioration and wear, and replace worn bags. Check that replacement bags comply with the original manufacturer's recommendations or specifications.
- d) Replace the blade if it is bent or cracked. An unbalanced blade causes vibration that could damage the motor drive unit or cause personal injury.
- e) Sharpen a dull blade equally at each end to maintain the balance.
- f) Clear the blade thoroughly and check its balance by supporting it horizontally on a thin nail through its center hole. The nail should also be in a horizontal position. If either end of the blade rotates downward, remove some metal from the heavy or lower end until the blade is balanced. It is balanced when neither end drops.

SYMBOLS



Safety alert

Read the operator's manual



Blade continues to rotate after the machine is switched off. Wait until all machine components have completely stopped before touching them.



Do not expose to rain or water



Do not burn



Do not dispose of batteries. Return exhausted batteries to your local collection or recycling point.



Contains lead-acid battery. Battery must be recycled or disposed of properly.



Slip on slope



CPSC Danger label



Severing of toes or fingers-Rotary mower blade.




Keep bystanders/children away.



Thrown objects from mower deck.

CHARGER SAFETY RULES

1. Plug the charger directly into an electrical outlet. **DO NOT ABUSE THE CORD.** Never carry charger by cord. Do not disconnect the charger from the outlet or mower by pulling it by the cord.
2.  **CAUTION:** To reduce the risk of fire, electrical shock, or personal injury do not attempt to use this charger with any other product. Likewise, do not attempt to charge the mower with any other charger.
3. Do not service mower with charger or safety key installed.
4. Do not operate a damaged charger. Replace damaged cords or charger immediately by calling the WORX Helpline at 1-866-354-9679.
5. Always charge the mower in a dry area protected from the weather. Do not expose the mower or charger to rain. Do not charge in wet locations. Do not charge mower when temperature is above 104°F (40°C) or below 41°F (5°C).
6. Keep the mower and charger away from water, heat sources, (Such as radiators, heaters, stoves...etc.) flames, or chemicals. Be careful not to damage the charger cord, by keeping cord away from sharp edges.

CHARGING PROCEDURE (See A, B1, B2)

1. Charging can be carried out either with the battery **FITTED** (See A) or **REMOVED** from the machine (See B1).
2. Plug in the charger connector into the receptacle on the battery. (See A, B1).
3. Insert the plug of the charger into the wall receptacle.
4. Press the button (a) on the charger for several seconds till the red light come on indicating that you have power and the battery is being charged.(See B2).
5. The red light (19) will turn off and the green light (18) will come on when charging is complete (approximately 16 hours to charge a fully discharged battery) (See B2)
6. After the battery is fully charged the green light will turn on and stay on for 15 seconds to indicate a full charge. After 15 seconds the green light and charger will turn off to save

power.

NOTE: if the battery is defective, the red light on the charger will flash. The lights will only function when the charger is connected to both the battery and wall receptacle.


7. The charger is a smart charger and can stay connected to the battery and wall receptacle for extended periods of time without fear of damaging the battery or charger. The charger will automatically cycle on and off periodically to ensure the battery is fully charged.

BATTERY CARE

The battery in your cordless lawnmower is a 36-volt sealed lead acid system. The mower can be stored in any position without fear of leakage.

- For optimal battery life and performance the battery should be fully charged every 2 months during storage
 - For optimal battery life and performance the battery should be fully charged after each use
 - Store the battery in a cool dry location.
 - The battery can be safely stored down to 14°F (-10°C).
 - The battery does not need to be fully discharged before recharging.
 - Initially 2 to 3 charging cycles may be required after purchase to achieve maximum run time capacity. The battery is maintenance free.
- ADDITIONAL BATTERIES can be obtained from the Customer Helpline 1-866-354-9679.

ASSEMBLY/ADJUSTMENT

 **WARNING!** Do not connect the battery and/or the safety key before product is completely assembled.

1. ASSEMBLING THE HANDLE (See C1, C2)

Remove the packaging endcap (see C1). Raise the handle section into place and secure by tightening the two locking cam levers. Check that the handle is FULLY secured.

The cam lever (6) pressure can be adjusted by rotating the screw knob (14) clockwise/counter-clockwise. DO NOT OVERTIGHTEN.

2. ASSEMBLING THE GRASSBAG (See D1, D2 & D3)

- 1) Before starting to assemble the grass bag to the frame (b), check that the grass bag is positioned to slip over the frame.
- 2) Slide the grass bag onto the frame.
- 3) Assemble the top clips to the frame, then assemble the two side clips and the bottom clip.

3. FITTING/REMOVING BATTERY (See E1, E2)

REMOVING BATTERY

Disconnect the battery connector (e), then rotate the battery locking knob (d) counter-clockwise. Remove the battery by lifting it out of the mower by the battery handle. (See E2)

NOTE: Be careful not to drop the battery onto your foot or on the ground when removing it.

FITTING BATTERY

Put the battery into the battery container, connect the battery connector (e) and then rotate the battery locking knob clockwise (d). (See E1)

4. HANDLE ADJUSTMENT (See F)

The upper handle can be adjusted to 3 different height positions. Depress the locking cam lever, set the upper handle to one of the three height positions, and make sure to insert the pin into the hole. Then release the locking cam lever.

NOTE: Always check that the upper handle is fixed firmly.

5. INSTALLING THE GRASS BAG (See G1, G2 & G3)

FITTING

- 1) Turn the mower off, wait until blade stops and remove safety key.
- 2) Raise the safety flap and hold it up, ensure that the mulching insert has been removed.
- 3) Pick up the grass bag by the handle, and position grass bag on the two lower grommets (f) on the bottom edge of the mower deck. Raise the bag to its full

horizontal position.

- 4) Release the safety guard to lock the grass bag into position. Lift the handle slightly to ensure the grass bag is installed securely.

REMOVING/EMPTYING

Lift the safety guard and hold it up. The grass bag will drop automatically.

6. ADJUSTING THE CUTTING HEIGHT (See H)

WARNING! Stop, release safety bail and wait until the motor stops before adjusting height. The blade will continue to rotate after the machine is switched off, a rotating blade can cause injury.

CAUTION: Do not touch rotating blade.

For the first cutting of the season, a high cutting adjustment should be selected. The lawnmower can be set to 6 cutting heights between 1.5" (38mm) and 3.5" (88mm).. For this purpose, move the cutting height adjustment lever outwards then choose the preferred position. Each position will raise or lower the mower to the desired height.

OPERATION

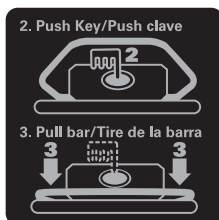
1. STARTING AND STOPPING (See I1, I2)

WARNING! The blade will continue to rotate for a few seconds after the machine is switched off. Allow the motor/blade to stop rotating before switching "on" again. Do not rapidly switch off and on.

STARTING:



WARNING! The battery is disconnected from your lawn mower and you must insert the connector into the battery socket before use.





- 1) Insert safety key into the housing of the switch box.
- 2) Push the safety key until it is fully seated inside the housing.
- 3) Press down and hold the safety key, squeeze the safety bail towards the handle and the mower will start.

STOPPING

Release the safety bail. Mower will automatically turn OFF.

2. BATTERY STATUS LED'S (See J)

NOTE: Battery Status LED's are not active in charging mode. The Status LED's will indicate the battery condition when the button on the battery is pressed.

The LED's constantly senses and displays the battery condition as follows: Press the button "POWERTEST", the light button is illuminated. When the three green lights are illuminated, the battery is in a highly charged condition. When two lights () are illuminated, the battery is in a moderately charged condition. When only one green light () is illuminated, the battery charge is depleted. Before using your new mower for the first time, it is recommended that the unit be charged overnight to ensure that the battery is fully charged.

IMPORTANT

When only one light is illuminated, your battery is overly discharged, even though the mower may still be capable of cutting grass. Continuing to operate your lawnmower with the battery in this discharged condition may reduce the life and performance of your battery.

3. REMOVING MULCHING PLUG (See K1)

To remove the mulching plug (12) so that you can bag the grass or discharge with the optional discharge chute, follow the steps listed below:

- 1) Shut the mower off, wait until the blade stops and remove the safety key.
- 2) Raise the safety guard and hold it up.
- 3) Grasp the middle of the plug, lift and pull out the mulching plug completely.

- 4) The safety guard is spring loaded.
When you release it, the guard will return to the closed position.

4. INSTALLING MULCHING PLUG (See K2)

- 1) Turn the mower off, wait until the blade stops and remove the safety key.
- 2) Raise the safety guard and hold it up.
- 3) Slide the mulching plug (12) into the discharge opening until it is firmly in contact with the deck.
- 4) Release safety guard and ensure it is properly closed.

5. CUTTING MODE DIAL SELECTION (See L)

QUIET MODE

Select QUIET mode (17) when mowing in everyday conditions, removing approximately 1 inch of grass at a time.

POWER MODE

Set the dial to POWER mode (17) when cutting dense or overgrown grass.

6. INSTALLING SIDE-DISCHARGE CHUTE (See M1 & M2)

Using the mulching insert and side-discharge chute (13), the grass can be discharged from the side of the machine. To assemble the side-discharge insert, raise the side-discharge cover (9) and hold it up, position the side-discharge chute (13) onto the hooks, then release the cover to lock the side-discharge insert into position.

7. PACESETTER™ SELF-PROPEL DRIVE (See N1 & N2)

To operate the self-propel drive, squeeze the Safety bail (2) toward the handle and hold it, and then push both the handle and the Safety bail (2).

To disengage the self-propel drive, release the safety bail (2).

NOTE: The Pacesetter™ drive system with rear wheel drive, automatically sets the pace based on the operators walking speed. Walk faster and the mower self propels faster to match your pace.

NOTE: The Pacesetter™ drive system will operate with or without the mower blade turned on.

8. MOWING TIPS

NOTE: Always inspect area where mower is to be used and remove all stones, sticks, wire, metal and other debris which might be thrown by the rotating blade.

- 1) Mow across the face of slopes, never up-and-down. Exercise extreme caution when changing direction on slopes. Do not mow excessively steep slopes. Always maintain good footing and balance.
- 2) Release safety bail to turn the mower "OFF" when crossing any graveled area (stones can be thrown by the blade).
- 3) Set mower at highest cutting height when mowing on rough ground or in tall weeds. Removing too much grass at one time can cause circuit breaker to trip, which stops mower.
- 4) If a grass bag is used during the fast growing season, the grass may tend to clog up at the discharge opening. Release switch lever to turn mower "OFF" and remove the safety key. Remove the grass bag and shake the grass down to the back end of the bag. Also clean out any grass or debris which may be packed around the discharge opening. Replace the grass bag.
- 5) If mower should start to vibrate abnormally, release safety bail to turn mower "OFF" and remove safety key. Check immediately for cause of vibration. Vibration is usually a warning sign of trouble. Do not operate mower until a service check has been made.
- 6) ALWAYS RELEASE SAFETY BAIL TO TURN MOWER "OFF" AND REMOVE SAFETY KEY WHEN LEAVING IT UNATTENDED FOR ANY PERIOD OF TIME.

9. MULCHING MOWING TIPS

While mulching, your new mower is designed to cut the grass clippings into small pieces and distribute them back into the lawn. Under normal conditions, the mulched grass will biodegrade quickly

to provide nutrients to the lawn.
Please review the following recommendations for optimum mulching performance.

- 1) Avoid mowing when the grass is wet from rain or dew. Wet grass may form clumps which interfere with the mulching action and reduce runtime. The best time to mow grass is in the late afternoon when the grass is dry and the newly cut area will not be exposed to direct sunlight.
- 2) For best mulching performance, set the cutting height to remove about one third of the grass blade length, ideally no more than 1.5 inch at one time. If the lawn is overgrown, it may be necessary to increase the cut height to reduce the pushing effort and prevent overloading the motor. For extremely heavy mulching, it is advisable to first cut at a high cut height setting, and then re-cut to the final cut height. Otherwise, make narrower cuts and mow slowly.
NOTE: The motor is protected by a safety cut out which is activated when the blade becomes jammed or if the motor is overloaded. **The safety cut out will only reset when the safety bail 2 is released. Clear any obstruction and wait for a few minutes for the safety cut out to reset before continuing to use the mower. At this time do not operate the safety bail 2 as this will prolong the reset time of the safety cut out. If the mower cuts out again increase the height of cut to reduce the load on the motor.**
- 3) For best performance, keep the mower housing free of built-up grass. From time to time turn off mower and wait for the blade to come to a complete stop. Then unplug the safety key and turn mower on its side. Using an object such as a stick, wipe out any accumulation of grass in the blade area. Be careful of the sharp edges of the blade. Clean often in wet, new grass, and always after every use.
- 4) Certain types of grass or grass conditions may require that an area be mulched a second time to fully disperse

the grass throughout the lawn.

If cutting a second time, it is advisable to cut perpendicular (across) the first cut pattern. **DO NOT CHANGE CUT PATTERN IN ANY WAY THAT WOULD CAUSE MOWING DOWN A HILL.**

- 5) Change your cutting pattern from week to week. This will help prevent matting and graining of the lawn.

MAINTENANCE



WARNING: Stop the mower and remove the safety key before removing the grass bag.

NOTE: To ensure long and reliable service, perform the following maintenance procedures regularly. Check for obvious defects such as a loose, dislodged or a damaged blade, loose fittings, and worn or damaged components. Check that the covers and guards are all undamaged and are correctly attached to mower. Carry out any necessary maintenance or repairs before operating mower. If the mower should happen to fail despite regular maintenance, please call our customer helpline for advice, 1-866-354-9679.

BLADE SHARPENING

KEEP THE BLADE SHARP FOR BEST MOWER PERFORMANCE. A DULL BLADE DOES NOT CUT GRASS CLEANLY OR MULCH PROPERLY. WEAR PROPER EYE PROTECTION WHILE REMOVING, SHARPENING, AND INSTALLING BLADE. ENSURE THAT SAFETY KEY IS REMOVED. Sharpening the blade twice during a mowing season is usually sufficient under normal circumstances. Sand causes the blade to dull quickly. If your lawn has sandy soil, more frequent sharpening may be required. REPLACE BENT OR DAMAGED BLADE IMMEDIATELY.

WHEN SHARPENING THE BLADE:

1. Make sure blade remains balanced.
2. Sharpen the blade at the original cutting angle.

3. Sharpen cutting edges on both ends of the blade to keep it balanced, removing equal amounts of material from both ends.

TO SHARPEN BLADE IN A VISE (See O)

1. Be sure the switch lever is released, the blade has stopped and the safety key removed before removing the blade.
2. Remove blade from mower.
See instructions for removing and attaching blade.
3. Secure blade O-1 in a vise O-2.
4. Wear safety glasses and heavy work gloves.
5. Carefully file the cutting edges of the blade with a fine tooth file O-3 or sharpening stone.
6. Check balance of blade. See instructions for blade balancing.
7. Replace blade on mower and tighten securely. Refer to instructions below.

BLADE BALANCING (See P)

Check balance of blade by placing center hole in blade (P-1) over a nail or screwdriver shank (P-2), clamped horizontally in a vise (P-3). If either end of the blade rotates downward, file that end. Blade is properly balanced when neither end drops and the blade stays level.

BLADE MAINTENANCE (See Q & R)

Replace your metal blade after 50 hours mowing or 2 years, whichever ever is the sooner-regardless of condition. Follow these procedures to remove and replace the blade. You will need garden

gloves (not provided) and a spanner wrench (not provided) to remove the blade. Hold the blade (R-2) and unscrew the blade nut (R-5) counter-clockwise using a spanner wrench. Remove blade nut (R-5), square washer (R-4), insulator washer (R-3), and blade (R-2). To re-assemble, first position the blade with the cutting edges towards the ground. Assemble the components. Ensure that the edges of the insulator washer hook over the edge of the blade. Align the flats on the square washer (R-4) with the flats on the shaft. Then securely tighten the blade nut.

NOTE: If the blade and insulator washer (R-3) are cracked or damaged, replace with new ones.

STORAGE (See S)

Stop the mower and always remove the safety key. Clean the exterior of the machine thoroughly using a soft brush and cloth. Do not use water, solvents or polishes. Remove all grass and debris, especially from the ventilation slots. Turn the machine on its side and clean the blade area. If grass cuttings are compacted in the blade area, remove with a wooden or plastic implement. Store the mower in a dry place. Do not place other objects on top of the mower. To aid storage, press the handle height adjustment knob, and fold the upper handle forward.

TROUBLE SHOOTING

PROBLEM	SOLUTION
1. Mower doesn't run when switch lever is activated.	A. Check to make sure safety key has been installed and is fully seated and that button on switch housing is being completely pushed. B. Release switch lever to turn mower off. Remove safety key, turn mower over and check that blade is free to turn. Clear any obstruction. If not free, return to an authorized servicer. Blade should turn freely. C. Has battery been fully charged? Plug in charger and wait for green light to come on.

PROBLEM	SOLUTION
2. Motor stops while mowing.	<p>A. Release switch lever to turn mower off. Remove safety key, turn mower over and check that blade is free to turn. Clear any obstruction. If not free, return to an authorized servicer. Blade should turn freely.</p> <p>B. Raise cutting height of wheels to highest position and start mower.</p> <p>C. Has battery been fully charged? Plug in charger and wait for green light to come on.</p> <p>D. Avoid overloading the mower. Slow down the cutting pace by pushing mower slower or raise the cut height. Or both.</p>
3. Mower runs but cutting performance is unsatisfactory, or does not cut entire lawn.	<p>A. Has battery been fully charged? Plug in charger and wait for green light to come on."</p> <p>B. Release switch lever to turn mower off. Remove safety key. Turn mower over and check: Blade for sharpness - Keep blade sharp. Deck and discharge chute for clogging.</p> <p>C. Wheel height adjustment may be set too low for grass condition. Raise cutting height.</p>
4. Mower is too hard to push.	A. Raise cutting height to reduce deck drag on grass. Check each wheel for free rotation.
5. Mower is abnormally noisy and vibrates.	<p>A. Release switch lever to turn mower off. Remove safety key. Turn mower on side and check blade to ensure it has not been bent or damaged. If blade is damaged, replace with a replacement blade. If the underside of the deck is damaged return mower to a Authorized service center.</p> <p>B. If there is no visible damage to the blade and the mower still vibrates: Release switch lever to turn mower off, remove safety key and remove blade. Rotate blade 180 degrees and retighten. If mower still vibrates, return the mower to an authorized service center.</p>
6. Battery charger LED's not on.	<p>A. Check plug connection.</p> <p>B. Replace charger.</p>
7. Battery charger LED does not flip to green.	A. Battery needs to be diagnosed. Take to authorized service center.
8. Mower not picking up clippings with bag.	<p>A. Remove mulch plate when bagging.</p> <p>B. Chute clogged. Release switch lever to turn mower off. Remove safety key. Clear chute of grass clippings.</p> <p>C. Too much cut grass. Raise cutting height of wheels to shorten length of the cut.</p> <p>D. Bag full. Empty bag more often.</p>
9. When mulching there are clippings visible.	<p>A. Too much cut grass. Raise cutting height of wheels to shorten length of the cut. Do not cut off more than 1/3 of total length.</p> <p>B. Check blade for sharpness. Always keep blade sharp.</p>
10. Low or diminished run-time after many uses	A. Return to Authorized Service location - may need new battery.



Designed in Italy. Made in China
Conçu en Italie. Fabriqué en Chine
Diseñado en Italia. Fabricado en China

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